CHITALDRUG DISTRICT.

Notification dated 11th January 1952.

No. F3. 105-7—51-52. It is hereby notified for the information of the public that Government purchase depot will be opened at Molakalmuru Town with immediate effect.

6455 K. SESHAGIRI RAO, *Dy. Commr.*

FOREST DEPARTMENT

MYSORE FOREST DIVISION.

Abstract Notification dated 3rd January 1952.

It is hereby notified for the general information of the public that under Section 40 of the Mysore Forest Act, notice is hereby given for general information that the undermentioned kinds and quantities of timber found adrift and unclaimed in the places noted against each are kept in the custody of the parties noted below. Persons having any claim to the said timber may present written statement of their claim adducing satisfactory evidence to the District Forest Officer, Mysore Division, Mysore, within one month from the date of publication of this notification, failing which, the ownership of the timber shall vest in Government free from all encumbrances under Section 42 of the Mysore Forest Act.

Place at which found and date,	In whose custody	Marks	Kind	No.	C.ft.
1. HEGGADDEVANKOTE RANGE.					
Chamanaikana Mala near Siddappaji Temple, Katte Manna Hally, Heggadadevankote Taluk. Found on 31st July 1951.	Government Sri Basappa of Katte Manna Hally.	Nil	Hulube ...	3	11
			Bilwara ...	2	17
			Godda ...	1	12

6627 MOHAMED AHMED, *D.F.O.*

OFFICE OF THE CONSERVATOR OF FORESTS, SHIMOGA CIRCLE, SHIMOGA.

Notification dated 5th—7th January 1952.

No. M. 4-14—51-52. It is hereby notified for the information of the public that under the proviso to Rule 4 (b) of the Rules for the protection of Game and Fish in Mysore, the area within a radius of five miles of the undermentioned villages as per details noted against them is thrown open for free shooting of tigers reported to be causing havoc in the locality.

Village	Hobli	Taluk	District	Thrown open for a period of
Bidare and surrounding villages.	Bidare	Kadur	Chikmagalur.	Three months.

6626 D. A. RAMA RAO, *Conservator of Forests* I/c

UNIVERSITY OF MYSORE

Amendment No. 76 to Calendar, Vol. I for 1947-48.

The following is the detailed syllabus in Mathematics for the B.Sc. Degree and the inclusion of combinations thereof :—

M-1 (Pure Mathematics)

PAPER I—Algebra and Trigonometry
PAPER II—Calculus and Differential Equations
PAPER III—Geometry

M-2 (Applied Mathematics)

PAPER I—Dynamics
PAPER II—Statics and Hydrostatics
PAPER III—Astronomy

SYLLABUS FOR M-1

PAPER I

Algebra :—Inequalities; Sequences; Series of Positive terms; Simple tests for convergence, Alternating Series, Absolute Convergence. Binomial, Exponential and Logarithmic Series; Recurring Series; Simple continued fractions; Partial fractions: Determinants.

Elementary Theory of Equations—Relation between Roots and Coefficients, Simple transformations, Reciprocal Equations, Elementary symmetric functions of roots, Solutions of Cubic and Quartic equations, Multiple roots. Descarte's Rule of Signs

Trigonometry :—De'Moivre's Theorem with Simple applications, Series for Sine and Cosine, Exponentials, Hyperbolic functions, Logarithm of a Complex number, Summation of Simple Trigonometric Series.

PAPER II.

Differential Calculus :—Differentiations, Successive differentiation, Mean value Theorems, Taylor's Theorem, Expansions and Indeterminate forms, Maxima and Minima of functions of One variable, Partial Differentiation.

Geometrical Applications, Tangents and Normals; Curvature; Evolute and Involute; Envelopes; Tracing of Simple Standard curves in Cartesian and polar co-ordinates.

Integral Calculus :—Methods of Integration—Reduction formulæ; Definite Integral as the Limit of a sum; Evaluation of simple Definite Integrals, First Mean value Theorem.

Applications to lengths of curves, areas, surfaces and volumes, Determination of Centre of Gravity and Moment of Inertia.

Differential Equations :—Formation of Differential equations, Equations of the First order and First degree; First order not of the First degree; Clairaut's form. Linear Differential Eqtations with constant coefficients and equations reducible to them.

PAPER III.

Pure Geometry :—Concurrency and Collinearity; Cross Ratio; Harmonic Seetion; Projection; Inversion; Co-axial circles; Complete quadrilateral.

Analytical Geometry of Two Dimensions :—Pairs of straight lines; Circles; Properties of Conics derived from their standard equations; General Equation of a conic (Elementary treatment); Tracing of Conics; Polar equations.

Analytical Geometry of Three Dimensions :—Direction Cosines; Plane; Straight Lines and relations between them (shortest distance between two lines). Sphare, Cone of the Second degree; Ellipsoid in the standard form, Tangent plane, Conjugate Diameters. Hyperboloid of One Sheet—Systems of generators.

SYLLABUS FOR M-2

PAPER I—DYNAMICS

Dynamics of a Particle :—Newton's Laws of Motion; Motion in a straight line under different laws ($\ddot{x} = \pm \mu x$; $\ddot{x} = -\mu/x^2$). Projectile motion; Impact; Radial and transverse acceleration; motion in a central orbit (elementary cases); Kepler's laws. Tangential and Normal accelerations; Constrained motion; motion in a circle; Simple, Conical and Cycloidal Pendulum, Motion in a Resisting Medium (Resistance varying as velocity) in a straight line.

Rigid Dynamics :—Moment of Inertia and Products of Inertia; Momental Ellipsoid; Momental Ellipse; Principal axes; Equimomental system. D'Alembert's Principle. General Equations of Motion. Motion about a Fixed axis-Compound Pendulum. Impulsive forces. Motion in Two Dimensions under Finite forces (Simple cases).

PAPER II—STATICS AND HYDROSTATICS

Statics :—Equilibrium of Coplanar forces; Problems in Friction; Virtual Work; Centre of Gravity; Stable and Unstable Equilibrium; Catenary; Simple Graphic Statics.

Hydrostatics :—Fluid pressure; Centre of Pressure; Thrust on curved surfaces; Equilibrium of floating bodies; Metacentre and stability (Simple cases); Properties of gases.

PAPER III—ASTRONOMY

Spherical Trigonometry:—Fundamental formulæ; Solution of Right-angled Spherical triangles.

Astronomy :—Celestial Sphere; Celestial Co-ordinates; Diurnal Motion; Simple problems; Determination of λ and ϕ; Annual motion of the Sun; Equation of time; Mean and Siderial Time.

Planets; Moon and Eclipses.

Atmospheric Refraction, Parallax (Geo-centric) and annual; Aberration; Precession and Nutation.

Magnitudes of stars, Binary stars; Proper motion of stars

COMBINATION OF OPTIONAL SUBJECTS

Physics, Chemistry, Mathematics I.
Physics, Mathematics I, Mathematics II.
Statistics, Mathematics I, Mathematic sII.

1470 C. RANGACHAR, *Registrar.*